

08/977,915

LEXIS Search

DATE: FEBRUARY 20, 1998
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1. 5,472,018, Dec. 5, 1995, Air conditioning of a weaving machine with displacement type air flow stream, Verner, Pavel, Zurich, Switzerland Bollier, Walter, Adliswil, Switzerland, Luwa AG, Zurich, Switzerland (03)

5,472,018 OR 5472018

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PATENT NUMBER	US 5472018 [US5472018]
DOCUMENT TYPE	US-P
ACTION	93.08.18 US/AE-A
	APPLICATION DATA (PATENT)
	{US 50432/93 [93US-050432] 93.08.18}
ACTION	95.12.05 US/A
	PATENT
UPDATE	9627

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28	4	US5472256/PN
29	1	US5472449/PN
30	1	US5472618/PN

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32	1	US5472016/PN
33	1	US5472023/PN
34	1	US5472034/PN
35	1	US5472037/PN

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} no citations for '018
in PAST

File 345:Inpadoc/Fam.& Legal Stat. 1998/UD=9807
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Set	Items	Description
S1	1	PN=US 5472018

1/9/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat.
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11487367

Basic Patent (No,Kind,Date): WO 9306281 A1 930401 <No. of Patents: 008>

PATENT FAMILY:

SWITZERLAND (CH)

Patent (No,Kind,Date): CH 684101 A 940715
VERFAHREN UND VORRICHTUNG ZUR WEBMASCHINENKLIMATISIERUNG. (French;
German; Italian)
Patent Assignee: LUWA AG
Author (Inventor): VERNER PAVEL; BOLLIER WALTER
Priority (No,Kind,Date): CH 912815 A 910923
Applic (No,Kind,Date): CH 912815 A 910923
IPC: * D03J-001/00
Derwent WPI Acc No: * C 93-117585
Language of Document: German

SWITZERLAND (CH)

Legal Status (No,Type,Date,Code,Text):
CH 912815 A 940715 CH AGA PUBLISHED AS MAIN PATENT
(PUBLIZIERT ALS HAUPTPATENT)
CH 684101 A 940715
CH 684101 P 910923 CH AE APPLIED (PATENT APPLICATION)
(ANGEMELDET (PATENTANMELDUNG))
CH 912815 A 910923

GERMANY (DE)

Patent (No,Kind,Date): DE 59209075 C0 980129
VERFAHREN UND VORRICHTUNG ZUR WEBMASCHINENKLIMATISIERUNG (German)
Patent Assignee: LUWA AG (CH)
Author (Inventor): VERNER PAVEL (CH); BOLLIER WALTER (CH)
Priority (No,Kind,Date): CH 912815 A 910923; WO 92CH193 W 920922
Applic (No,Kind,Date): DE 59209075 A 920922
IPC: * D03J-001/00
Derwent WPI Acc No: * C 93-117585
Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):
DE 59209075 P 980129 DE REF CORRESPONDS TO (ENTSPRICHT)
EP 558718 P 980129

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 558718 A1 930908
AIR-CONDITIONING PROCESS AND DEVICE FOR MECHANICAL WEAVING LOOMS
(English; French; German)
Patent Assignee: LUWA AG (CH)
Author (Inventor): VERNER PAVEL (CH); BOLLIER WALTER (CH)
Priority (No,Kind,Date): WO 92CH193 W 920922; CH 912815 A 910923
Applic (No,Kind,Date): EP 92919296 A 920922
Designated States: (National) DE; GB; IT

IPC: * D03J-001/00
 Derwent WPI Acc No: * C 93-117585
 Language of Document: German
 Patent (No,Kind,Date): EP 558718 B1 971217
 AIR-CONDITIONING PROCESS AND DEVICE FOR MECHANICAL WEAVING LOOMS
 (English; French; German)
 Patent Assignee: LUWA AG (CH)
 Author (Inventor): VERNER PAVEL (CH); BOLLIER WALTER (CH)
 Priority (No,Kind,Date): WO 92CH193 W 920922; CH 912815 A 910923
 Applic (No,Kind,Date): EP 92919296 A 920922
 Designated States: (National) DE; GB; IT
 IPC: * D03J-001/00
 Derwent WPI Acc No: * C 93-117585
 Language of Document: German
 EUROPEAN PATENT OFFICE (EP)
 Legal Status (No,Type,Date,Code,Text):
 EP 558718 P 910923 EP AA PRIORITY (PATENT APPLICATION)
 (PRIORITAET (PATENTANMELDUNG))
 CH 912815 A 910923
 EP 558718 P 920922 EP AA PCT-APPLICATION (PCT-ANMELDUNG)
 WO 92CH193 W 920922
 EP 558718 P 920922 EP AE EP-APPLICATION (EUROPAEISCHE
 ANMELDUNG)
 EP 92919296 A 920922
 EP 558718 P 930908 EP AK DESIGNATED CONTRACTING STATES IN
 AN APPLICATION WITH SEARCH REPORT (IN EINER
 ANMELDUNG BENANNT VERTRAGSSTAATEN)
 DE GB IT
 EP 558718 P 930908 EP A1 PUBLICATION OF APPLICATION WITH
 SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 558718 P 930908 EP 17P REQUEST FOR EXAMINATION FILED
 (PRUEFUNGSANTRAG GESTELLT)
 930513
 EP 558718 P 950329 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 950214
 EP 558718 P 971203 EP ITF IT: TRANSLATION FOR A EP PATENT
 FILED (IT: DEPOSITO TRADUZIONE DI BREVETTO
 EUROPEO)
 FUMERO BREVETTI S.N.C.
 EP 558718 P 971217 EP AK DESIGNATED CONTRACTING STATES
 MENTIONED IN A PATENT SPECIFICATION: (IN
 EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT
 VERTRAGSSTAATEN)
 DE GB IT
 EP 558718 P 971217 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 558718 P 980129 EP REF CORRESPONDS TO: (ENTSPRICHT)
 DE 59209075 P 980129

JAPAN (JP)

Patent (No,Kind,Date): JP 2589653 B2 970312
 Patent Assignee: LUWA AG
 Author (Inventor): UERUNAA PABERU; BORIAA WARUTAA
 Priority (No,Kind,Date): CH 912815 A 910923
 Applic (No,Kind,Date): JP 92505669 A 920922
 IPC: * D03J-001/02; D03J-001/00
 Language of Document: Japanese

Patent (No,Kind,Date): JP 6502460 T2 940317
Priority (No,Kind,Date): WO 92CH193 W 920922; CH 912815 A 910923
Applic (No,Kind,Date): JP 93505669 A 920922
IPC: * D03J-001/00
Derwent WPI Acc No: * C 93-117585
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5472018 A 951205
AIR CONDITIONING OF A WEAVING MACHINE WITH DISPLACEMENT TYPE AIR FLOW
STREAM (English)
Patent Assignee: LUWA AG (CH)
Author (Inventor): VERNER PAVEL (CH); BOLLIER WALTER (CH)
Priority (No,Kind,Date): CH 912815 A 910923; WO 92CH193 W 920922
Applic (No,Kind,Date): US 50432 A 930818
National Class: * 139001000C; 057308000; 019066000CC; 015301000;
165047000; 034435000
IPC: * D03J-001/00
Derwent WPI Acc No: * C 93-117585
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
US 5472018 P 910923 US AA PRIORITY (PATENT)
CH 912815 A 910923
US 5472018 P 920922 US AA PCT-APPLICATION (PCT-APPL.)
WO 92CH193 W 920922
US 5472018 P 930818 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 50432 A 930818
US 5472018 P 951205 US A PATENT

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9306281 A1 930401
AIR-CONDITIONING PROCESS AND DEVICE FOR MECHANICAL WEAVING LOOMS
(English)
Patent Assignee: LUWA AG (CH)
Author (Inventor): VERNER PAVEL (CH); BOLLIER WALTER (CH)
Priority (No,Kind,Date): CH 912815 A 910923
Applic (No,Kind,Date): WO 92CH193 A 920922
Designated States: (National) JP; US (Regional) AT; BE; CH; DE; DK;
ES; FR; GB; GR; IE; IT; LU; MC; NL; SE
Filing Details: WO 130000 With international search report; Before
expiration of time limit for amending the claims and to be
republished in the event of the receipt of the amendments
IPC: * D03J-001/00
Derwent WPI Acc No: ; C 93-117585
Language of Document: German

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):
WO 9306281 P 910923 WO AA PRIORITY (PATENT)
CH 912815 A 910923
WO 9306281 P 920922 WO AE APPLICATION DATA (APPL. DATA)
WO 92CH193 A 920922
WO 9306281 P 930401 WO AK DESIGNATED STATES CITED IN A
PUBLISHED APPLICATION WITH SEARCH REPORT
(DESIGNATED STATES CITED IN A PUBLISHED APPL.
WITH SEARCH REPORT)

WO 9306281 P 930401 JP US
WO AL DESIGNATED COUNTRIES FOR
REGIONAL PATENTS CITED IN A PUBLISHED
APPLICATION WITH SEARCH REPORT (DESIGNATED
COUNTRIES FOR REGIONAL PATENTS CITED IN A
PUBLISHED APPL. WITH SEARCH REPORT)
AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE
WO 9306281 P 930401 WO A1 PUBLICATION OF THE INTERNATIONAL
APPLICATION WITH THE INTERNATIONAL SEARCH
REPORT (PUB. OF THE INTERNATIONAL APPL. WITH
THE INTERNATIONAL SEARCH REPORT)